-16-WHAT IS CLAIMED IS: A process for upgrading a Fischer-Tropsch naphtha to obtain a .1. gasoline component, the process comprising: a) mixing a Fischer-Tropsch naphtha with a petroleum-derived 5 naphtha to obtain a blended naphtha having a sulfur level of at least about 1 ppm; b) hydrotreating said blended naphtha producing a hydrotreated blended naphtha; and c) reforming said hydrotreated blended naphtha producing hydrogen by-product and a gasoline component having a research octane rating of at least 10 about 80. 2. The process of claim 1, further comprising recirculating at least a portion of said hydrogen-byproduct to hydrotreat said blended naphtha. The process of claim 1, wherein said blended naphtha has a sulfur 3. level of at least about 10 ppm. 15 4. The process of claim 1, wherein said blended naphtha is hydrotreated using a catalyst comprising at least one of a noble metal and a nonnoble metal. The process of claim 4, wherein said noble metal is selected from 5. the group consisting essentially of Pd, Pt and combinations thereof. 20 The process of claim 4, wherein said non-noble metal is sulfided. 6. The process of claim 4, wherein said non-noble metal is sulfided 7. with dimethyldisulfide.

-17-8. The process of claim 4, wherein said non-noble metal is selected from the group consisting essentially of Ni, Co, W. Mo and combinations thereof. 9. The process of claim 4, wherein said non-noble metal is nonsulfided. 5 10. The process of claim 1, wherein said gasoline component has a research octane rating of at least about 90. 11. The process of claim 1, wherein said gasoline component comprises at least about 10% aromatics. 12. A gasoline component having a research octane rating of at least 10 about 80 produced by the process of claim 1. 134. A process for upgrading a Fischer-Tropsch distillate to produce at least one of a distillate fuel and a lube base stock component, the process comprising: a) mixing a Fischer-Tropsch distillate and a petroleum-derived 15 distillate to obtain a blended distillate having a sulfur level of at least about 1 ppm; b) hydrotreating said blended distillate producing a hydrotreated blended distillate; and c) upgrading said hydrotreated blended distillate to produce a distillate fuel component and/or a lube base stock component. 20 14. The process of claim 13, wherein said hydrotreated blended distillate is upgraded using at least one of a hydrocracking and a hydrodewaxing process.

-19-24. A process for upgrading at least one of a Fischer-Tropsch naphtha and a Fischer-Tropsch distillate to produce at least one of a gasoline component, a distillate fuel or a lube base stock component, the process comprising the steps of: a) mixing a Fischer-Tropsch naphtha and a petroleum-derived 5 naphtha to obtain a blended naphtha having a sulfur level of at least about 1 ppm; b) mixing a Fischer-Tropsch distillate and a petroleum-derived distillate to obtain a blended distillate having a sulfur level of at least about 1 ppm; c) producing a hydrotreated blended naphtha by hydrotreating said blended naphtha to remove oxygenates from said Fischer-Tropsch naphtha and to 10 remove sulfur from said petroleum-derived naphtha; d) generating hydrogen by-product and a gasoline component comprising at least about 10% aromatics by reforming said hydrotreated blended naphtha; e) hydrotreating said blended distillate generating a hydrotreated blended distillate; and 15 f) upgrading said hydrotreated blended distillate using said hydrogen by-product to produce a distillate fuel and/or a lube base stock component. 25. The process of claim 24, wherein said hydrotreated blended 20 distillate is upgraded using at least one of a hydrocracking and a hydrodewaxing process. 26. The process of claim 24, wherein at least a portion of said hydrogen by-product is recirculated to hydrotreat said blended naphtha and/or said blended distillate. 25 27. The process of claim 24, wherein said blended naphtha has a sulfur level of at least about 10 ppm.

-20-28. The process of claim 24, wherein said blended distillate has a sulfur level of at least about 10 ppm. 29. The process of claim 24, wherein said gasoline component has a research octane rating of at least about 80. 5 30. The process of claim 24, wherein said gasoline component has a research octane rating of at least about 90. 31. The process of claim 24, wherein hydrotreatment of said blended naphtha and said blended distillate is performed in a single hydrotreatment reactor. 32. The process of claim 24, wherein said blended naphtha and said 10 blended distillate are hydrotreated with a catalyst comprising at least one of a noble metal and a non-noble metal. 33. The process of claim 32, wherein said noble metal is selected from the group consisting essentially of Pd, Pt and combinations thereof. 34. The process of claim 32, wherein said non-noble metal is selected 15 from the group consisting essentially of Ni, Co, W, Mo and combinations thereof. 35. The process of claim 34, wherein said non-noble metal is sulfided. 36. The process of claim 35, wherein said non-noble metal is sulfided by adding sulfur during said process.

to said process so that any catalyst used during hydrotreatment is adequately

A gasoline component comprising at least about 10% aromatics

A distillate fuel produced by the process of claim 24.

A lube base feedstock produced by the process of claim 24.

5

10

sulfided.

41.

42.

43.

produced by the process of claim 24.